

ABSTRACT OF THE DISCLOSURE

In a system supporting more than one operating system, a data processing thread executing on a first operating system may be subject to an interrupt which triggers interrupt handling on a second operating system. When that interrupt handling is completed on the second operating system, the first operating system is resumed using a return interrupt. The return interrupt specifies the data processing thread which is active on the second operating system such that an appropriate task switch or resumption may be made on the first operating system. The technique is particularly well suited to systems utilising a secure operating system and a non-secure operating system executing on the same hardware.

[Figure 26]